

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

FILE COPY

Receipt

DOCKET NO. M&M-031-USA-PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
M. Yokoi, et al.

Serial No.: 09/673,643

Filed: October 31, 2000

For: Immunoassay Reagent And Immunoassay Method



Art Unit: To Be Assigned

Examiner: To Be Assigned

REQUEST FOR CORRECTED FILING RECEIPT

RECEIVED

Honorable Commissioner of
Patents and Trademarks
Washington, D.C. 20231

JUN 25 2001

TECH CENTER 1600/2900

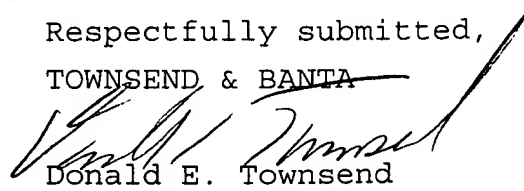
Sir:

Applicants' counsel is in receipt of the PTO Filing Receipt for the above identified pending patent application, a copy of which is attached hereto. Upon verifying the accuracy of the data presented on the Filing Receipt it was noted that there are errors in the title for this invention which were introduced by the Patent Office. As evidenced by the attached copy of the Declaration and Power of Attorney, and first page of the original specification which contains the title, the word "reagent" is singular. However, the word has been changed to plural on the Filing Receipt.

It is respectfully requested that the Patent Office records be corrected to reflect the correct title and that the undersigned be provided with a corrected Filing Receipt.

Respectfully submitted,

TOWNSEND & BANTA


Donald E. Townsend
Reg. No. 22,069

Date: January 31, 2001

TOWNSEND & BANTA
Suite 500
1225 Eye Street, N.W.
Washington, D.C. 20005
(202) 682-4727



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/673,643	10/31/2000	1645	860	M&M-031- USA	1	11	3

Townsend & Banta
Suite 500
1225 Eye Street NW
Washington, DC 20005



FILING RECEIPT



OC000000005591948

Date Mailed: 12/01/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Masayuki Yokoi, Kusatsu-shi, JAPAN;
Takayuki Akamine, Takatsuki-shi, JAPAN;
Katsumi Yoshikawa, Hirakata-shi, JAPAN;

RECEIVED
JUN 25 2001
TECH CENTER 1600/2900

Continuing Data as Claimed by Applicant

THIS APPLICATION IS A 371 OF PCT/JP99/02442 05/12/1999

Foreign Applications

JAPAN 133995/1998 05/15/1998
JAPAN 366818/1998 12/24/1998
JAPAN 366819/1998 12/24/1998
JAPAN 366820/1998 12/24/1998

If Required, Foreign Filing License Granted 12/01/2000

Title

Immunoassay reagents and immunoassay method

Preliminary Class

435



ATTORNEY DOCKET NO: M&M-031-USA-PCT

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

IMMUNOASSAY REAGENT AND IMMUNOASSAY METHOD

the specification of which is ☒ attached and/or ☐ was filed on as Application Serial No. and was amended on (if applicable)
☒ international (PCT) application No. PCT/JP99/02442 filed May 12, 1999 and as amended on December 24, 1999 (if any).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE OF FILING	PRIORITY CLAIMED UNDER 35 U.S.C. 119
Japan	Pat. 133995/1998	May 15, 1998	YES
Japan	Pat. 366818/1998	December 24, 1998	YES
Japan	Pat. 366819/1998	December 24, 1998	YES
Japan	Pat. 366820/1998	December 24, 1998	YES

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION NUMBER	DATE OF FILING	STATUS (Patented, Pending, Abandoned)

I hereby appoint the following attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Law Offices of Townsend & Banta; Donald E. Townsend, Registration No. 22,069; Teresa J. Banta, Registration No. 34,543; and Donald E. Townsend, Jr., Reg. No. 43,198.
Please address all correspondence to the Law Offices of Townsend & Banta, Suite 500, 1225 Eye Street, N.W., Washington, D.C. 20005

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR Masayuki YOKOI	INVENTOR'S SIGNATURE <i>M. Yokoi</i>	DATE September 21, 2000
RESIDENCE 3-7, Wakatake-cho, Kusatsu-shi, Shiga 525-0031 JAPAN	CITIZENSHIP Japan	
POST OFFICE ADDRESS Same as Residence		
FULL NAME OF SECOND JOINT INVENTOR, IF ANY Takayuki AKAMINE	INVENTOR'S SIGNATURE <i>T. Akamine</i>	DATE September 22, 2000
RESIDENCE 3-19, Hachounishi-machi, Takatsuki-shi, Osaka 569-0095 JAPAN	CITIZENSHIP Japan	
POST OFFICE ADDRESS Same as Residence		

Listing of Inventors Continued on Page 2 hereof. ☒ Yes ☐ No



RECEIVED

JUN 25 2001

TECH CENTER 1600/2900

IMMUNOASSAY REAGENT AND IMMUNOASSAY METHOD

5 TECHNICAL FIELD

The present invention relates to an immunoassay reagent utilizing an insoluble carrier and an immunoassay method, and more particularly to an immunoassay reagent and an immunoassay method capable of high-sensitive detection of a
10 target substance in a subject.

BACKGROUND ART

In the field of clinical testing, diagnoses of diseases are carried out using biosamples (such as blood and urine).

15 For these diagnoses, a variety of assays have been developed and utilized. Typical assays include biochemical assays such as utilizing an enzyme reaction, and immunoassays such as utilizing an antigen-antibody reaction. The recent demand to perform precise assaying of components present in
20 biosamples has led to the wide-spread use of immunoassay methods utilizing highly-specific antigen-antibody reactions.

Examples of immunoassay methods include immuno-turbidimetry (TIA method), latex immunoassay (LIA method),
25 enzyme immunoassay (EIA method) and radio-immunoassay (RIA